

Appl. No. 10/088,198
Amend. dated 02/28/05
Reply to Office action of 11/29/04

IN THE SPECIFICATION

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Also, in the manufacture of a pneumatic tire incorporating strap beads, the rows and lines of the wire-rubber matrix tend to fall in disorder during the tire building and curing steps and it can adversely effect affect the uniformity of the tire.

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Also, the bead core wire and the bead wrapping wire can be of different metals and/or coated with different materials to effect affect the operating characteristics of the spiral hex bead.

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Referring to Figure 4, there is illustrated the bead core 12, which is constructed of a plurality of lengths of bead core wire core 16.

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... While the bead wrapping wires 26 are shown in Figure 4 as being in contact with successive adjacent windings disposed in a side by side relation with each other to completely enclose the bead core 12, it is typical and within the terms of the invention to wind the bead wrapping wires 26 about the bead core so that there is a space between the adjacent bead wrapping wires. ...

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It can be understood that the spiral hex bead 10 of the present invention can be assembled with bead core wire 12 and bead wrapping wire 14 that are of different metals and/or coated with different materials to effect affect the operating characteristics of the spiral hex bead depending on the design parameters.